TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 ETAS ID: TM475553

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|--|----------------|--|
| NATURE OF CONVEYANCE: NUNC PRO TUNC ASSIGNMENT | | |
| EFFECTIVE DATE: | 04/26/2018 | |

CONVEYING PARTY DATA

| Name | Formerly | Execution Date | Entity Type |
|-------------------------------|----------|----------------|-----------------------|
| Alnylam Pharmaceuticals, Inc. | | 05/17/2018 | Corporation: DELAWARE |

RECEIVING PARTY DATA

| Name: | Genzyme Corporation | |
|-----------------|----------------------------|--|
| Street Address: | 50 Binney Street | |
| City: | Cambridge | |
| State/Country: | MASSACHUSETTS | |
| Postal Code: | 02142 | |
| Entity Type: | Corporation: MASSACHUSETTS | |

PROPERTY NUMBERS Total: 9

| Property Type | Number | Word Mark |
|----------------|----------|------------|
| Serial Number: | 87726902 | FITABREVO |
| Serial Number: | 87726932 | FITBREVIO |
| Serial Number: | 87726974 | FITVERSA |
| Serial Number: | 87813252 | HYMSIRNO |
| Serial Number: | 87813262 | INTERPIXIR |
| Serial Number: | 87726943 | KAMAVOSIR |
| Serial Number: | 87813309 | QFITLIA |
| Serial Number: | 87813282 | TAVMIRTO |
| Serial Number: | 87726964 | ZOKREZO |

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 212-813-5900

Email: assignments@fzlz.com

Correspondent Name: Matthew Frisbee

Address Line 1: Fross Zelnick Lehrman & Zissu, P.C.

Address Line 2: 4 Times Square, 17th Floor

Address Line 4: New York City, NEW YORK 10036

REEL: 006367 FRAME: 0868

TRADEMARK

| NAME OF SUBMITTER: | atthew Frisbee |
|--------------------|----------------------|
| SIGNATURE: /M | flatthew L. Frisbee/ |
| DATE SIGNED: 05 | 5/25/2018 |

Total Attachments: 2

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TRADEMARK REEL: 006367 FRAME: 0869

CONFIRMATORY TRADEMARK ASSIGNMENT DEED

Between:

Alnylam Pharmaceuticals, Inc.

300 Third Street Cambridge, Massachusetts 02142, United Sates of America

[Hereinafter THE ASSIGNOR]
On the one hand

And

Genzyme Corporation

50 Binney St., Cambridge, MA 02142, United States of America

[Hereinafter THE ASSIGNEE]
On the other hand

[Hereinafter referred to collectively as THE PARTIES]

PREAMBLE

By a deed of assignment effective as of April 26, 2018 [hereinafter THE ASSIGNMENT], THE ASSIGNOR transferred to THE ASSIGNEE the ownership of the trademark registrations listed in the attached schedule [hereinafter THE TRADEMARKS].

THE PARTIES hereby wish to confirm THE ASSIGNMENT of THE TRADEMARKS for the purpose of its recordal on the corresponding Trade Mark Register.

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

- THE ASSIGNOR hereby confirms THE ASSIGNMENT to THE ASSIGNEE, with effect from April 26, 2018, of the full and entire ownership of THE TRADEMARKS, including the right to prosecute any acts of infringement of THE TRADEMARKS and including the goodwill associated with THE TRADEMARKS.
- 2. The present confirmatory deed confirms and neither replaces nor amends THE ASSIGNMENT.

Full power is given to the bearer of an original hereof, or a copy certified to be a true copy by Notary Public, or a simple copy hereof, to proceed with its recordal on the relevant Trade Mark Register.

Signed on behalf of THE ASSIGNOR

At/On: CAMBRIDGE, MA GATRUS 172

Signaturalel.

Signed on behalf of THE ASSIGNEE

At / On: Gentilly on this 03rd day of May 2018

By [Name(s) and Title(s)]: Emmanuelle Ragon,

Proxy Holder

Signature(s):

TRADEMARK REEL: 006367 FRAME: 0870

CONFIRMATORY TRADEMARK ASSIGNMENT DEED

Schedule 1 Trademarks

| Trademark | Country/Region | Filing Date | Filing Number |
|------------|----------------|----------------|------------------|
| FITABREVO | United States | 19-Dec-17 | 87726902 |
| FITBREVIO | United States | 19-Dec-17 | 87726932 |
| FITVERSA | United States | 19-Dec-17 | 87726974 |
| HYMSIRNO | United States | 27-Feb-18 | 87813252 |
| INTERPIXIR | United States | 27-Feb-18 | 87813262 |
| KAMAVOSIR | United States | 19-Dec-17 | 87726943 |
| QFITLIA | United States | 27-Feb-18 | 87813309 |
| TAVMIRTO | United States | 27-Feb-18 | 87813282 |
| ZOKREZO | United States | 19-Dec-17 | 87726964 |

RECORDED: 05/25/2018

TRADEMARK REEL: 006367 FRAME: 0871